Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/25/2020 11:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125280	0	1.92	125314	1.90
Blue	F	SSC	125000	124760	-1	1.69	125389	1.66
Blue	E	FITC	15892	15348	-4	2.79	334	20.91
Blue	D	PE	29999	29132	-3	1.94	633	14.73
Blue	B	PerCP-Cy5-5	43732	43065	-2	3.66	1154	20.03
Blue	A	PE-Cy7	30845	30876	0	6.18	583	41.79
Red	C	APC	46112	45206	-2	2.44	1596	12.09
Red	A	APC-Cy7	30458	29954	-2	2.41	792	11.73
Violet	B	V450	7918	7548	-5	4.86	438	13.23
Violet	A	V500	32171	30947	-4	4.65	727	10.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17271	9.63	628	7	N/A	N/A	Pass
Blue	F	SSC	57620	1.27	568	9	N/A	N/A	Pass
Blue	E	FITC	61	65.51	545	2	0.0181	118	Pass
Blue	D	PE	133	51.01	551	3	0.1754	321	Pass
Blue	B	PerCP-Cy5-5	216	49.09	657	1	0.0095	72	Pass
Blue	A	PE-Cy7	108	103.39	701	3	0.0105	15	Pass
Red	C	APC	382	25.25	587	3	0.0247	159	Pass
Red	A	APC-Cy7	175	28.05	558	2	0.0058	916	Pass
Violet	B	V450	65	62.55	457	-1	0.0575	2767	Pass
Violet	A	V500	108	36.71	473	-1	0.0249	1360	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.47	-32.21	1.03
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	16.76	13.60 - 20.40	N/A	N/A	29.25	30.01	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9924

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments